

Amendments to the Claim:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-4 (cancelled).

5 (previously presented). An isolated Chlamydia pneumoniae protein free of any other chlamydial protein, wherein said isolated protein comprises the amino acid sequence as set forth in SEQ ID NO:2, said protein being.

6-9 (cancelled).

10 (currently amended). A composition for immunising a mammal against Chlamydia pneumoniae, said composition comprising a the protein of claim 5 and a pharmaceutically acceptable carrier.

11-12 (cancelled).

13 (currently amended). A method of immunizing a mammal against Chlamydia pneumoniae which comprises use of an generating an immune response in a mammal comprising administering to the mammal an immunologically effective amount of a the protein according to of claim 5 for immunising a mammal against Chlamydia pneumoniae.

14-17 (cancelled).

18 (currently amended). Species specific method for identifying infection of a mammal with A method of identifying a Chlamydia pneumoniae infection in a mammal, said method comprising:

(a) obtaining a sample of a biological fluid or tissue from a mammal suspected of being infected with Chlamydia pneumoniae comprising antibodies from the mammal,

(b) contacting said sample with a diagnostic reagent, said reagent comprising an isolated the protein according to of claim 5 in labeled or immobilized form, and

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- (c) detecting binding of antibodies in the sample with the diagnostic reagent, and
- (d) correlating the presence of binding of said protein with antibodies in a component of said sample to with the presence or absence of an infection.

19-44 (cancelled).